Datasheet for ABIN653410

anti-DC-SIGN/CD209 antibody (AA 330-355)

1 Image

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Overview

Quantity:	400 µL
Target:	DC-SIGN/CD209 (CD209)
Binding Specificity:	AA 330-355
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DC-SIGN/CD209 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CD209 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 330-355 amino acids from the Central region of human CD209.
Clone:	RB21738
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DC-SIGN/CD209 (CD209)
Alternative Name:	CD209 (CD209 Products)
Background:	CD209 encodes a transmembrane receptor and is often referred to as DC-SIGN because of its

Target Details

	expression on the surface of dendritic cells and macrophages. The encoded protein is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from parasites to viruses with a large impact on public health. The protein is organized into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting of the C-type lectin and neck domains has a dual function as a pathogen recognition receptor and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and endogenous cells. The neck region is important for homo-oligomerization which allows the receptor to bind multivalent ligands with high avidity. Variations in the number of 23 amino acid repeats in the neck domain of this protein are rare but have a significant impact on ligand binding ability. This gene is closely related in terms of both sequence and function to a neighboring gene (GeneID 10332, often referred to as L-SIGN). DC-SIGN and L-SIGN differ in their ligand-binding properties and distribution.
Molecular Weight:	45775
Gene ID:	30835
NCBI Accession:	NP_001138365, NP_001138366, NP_001138367, NP_001138368, NP_001138369, NP_066978
UniProt:	Q9NNX6

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

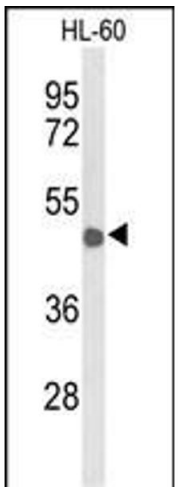
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Handling

Expiry Date:	6 months

Images



Western Blotting

Image 1. Western blot analysis of C Antibody (Center) (ABIN653410 and ABIN2842862) in HL-60 cell line lysates (35 µg/lane). C (arrow) was detected using the purified Pab.